



## ESC-ATMAOE

Screen printing machine to produce high-quality prints on EL films, PCBs, touch screens



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# ESC-ATMAOE

Precision screen printing machine with 4-post system and movable print table to produce high-quality prints on flat materials such as EL films, paper, LGP panels, BEF-Films, touch screens, membrane switches, flexible printed circuits etc.

The ESC-ATMAOE can optionally be equipped with various devices as automatic unloading system, CCD camera system for automatic substrate registration etc.



ESC-ATMAOE 67

## STANDARD FEATURES:

- vertical frame lift by accurate 4-post system
- movable print table
- precision print head
- 4-post system is lockable
- high-grade linear guidings provide absolutely smooth and silent machine motions
- smooth colour application
- setting and storing possibility of various print parameters provides easy operation
- extremely short setup-times
- coloured touch panel to display and set parameters
- digitally adjustable squeegee pressure and squeegee pressure compensation
- safety devices with emergency-stop-button, error-diagnose system and restoration systems

## TECHNICAL DATA:

	ATMAOE 56	ATMAOE 67	ATMAOE 710
vacuum plate	700 x 800 mm	800 x 900 mm	950 x 1250 mm
vacuum area - standard	440 x 500 mm	600 x 660 mm	700 x 800 mm
vacuum area - max.	500 x 600 mm	600 x 740 mm	760 x 1060 mm
max. print size - standard	440 x 500 mm	600 x 660 mm	700 x 800 mm
max. print size - enlarged*	500 x 600 mm	600 x 740 mm	750 x 1050 mm
min. print size	250 x 250 mm	300 x 300 mm	300 x 300 mm
material thickness	0,1 - 30 mm	0,1 - 30 mm	0,1 - 30 mm
max. frame size	950 x 950 mm	1100 x 1100 mm	1200 x 1400 mm
min. frame size	800 x 800 mm	900 x 900 mm	1000 x 1200 mm
frame thickness	25 - 45 mm	25 - 45 mm	25 - 45 mm
screen height cleaning position	285 mm	350 mm	350 mm
working height	970 + 30 mm	970 + 30 mm	970 + 30 mm
squeegee head inclination	± 5 °	± 5 °	± 3 °
adjustable printing speed	20 - 625 mm/sec.	20 - 625 mm/sec.	20 - 625 mm/sec.
max. cycling speed	660 cycle/h	540 cycle/h	480 cycle/h
micrometric fine adjustment x-y	± 10/±10 mm	± 10/±10 mm	± 10/±10 mm
movement speed print table	1000 mm/sec.	1150 mm/sec.	1150 mm/sec.
digitally adjustable squeegee pressure	3 - 62 kg	3 - 62 kg	3 - 62 kg
synchronised screen lift	0 - 20 mm	0 - 25 mm	0 - 30 mm
squeegee inclination	20 /± 15 °	20 /± 15 °	20 /± 15 °
mains supply	3 Phase, 400 V/50Hz	3 Phase, 400 V/50Hz	3 Phase, 400 V/50Hz
working pressure	5 - 7 bar	5 - 7 bar	5 - 7 bar
compressed air consumption	2,8 l / cycle	2,8 l / cycle	5,3 l / cycle
power consumption	2,93 kW	3,25 kW	3,35 kW
dimensions: (w x d x h)	1500 mm x 2150 mm x 1450 mm	1650 mm x 2420 mm x 1450 mm	2000 mm x 2700 mm x 1450 mm
weight	870 kg	1120 kg	1400 kg

Subject to technical modifications

\* The enlarged print size can only be used with the max. frame size